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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,525	11/26/2001	Yehoshua Hershberg	50325-0621	8525

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EXAMINER

ROCHE, TRENTON J

ART UNIT PAPER NUMBER

2193

DATE MAILED: 06/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.	Applicant(s)	
09/994,525	HERSHBERG ET AL.	
Examiner	Art Unit	
Trenton J. Roche	2193	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 10 February 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>05272005</u> . | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This Office action is responsive to communications filed 10 February 2005.
2. Per Applicant's request, amended claims 1, 4, 13-18 and 19-23 have been entered. Claims 1-23 are pending.
3. Claims 1-23 have been examined.
4. Note that portions of this Office action rely on the prior Office action, which was mailed 18 November 2004, paper number 11262001. However, claims requiring modification, necessitated by amendment, have been fully outlined in this Office action.

### *Response to Arguments*

5. Applicant's arguments filed 10 February 2005 have been fully considered but they are not persuasive.

#### **Per claims 1, 17 and 21-23:**

The Applicant states that Sundaresan does not teach or reasonably suggest the newly added limitation regarding the third data comprising instructions defining a mapping between data objects of the class of data objects and data items having the data exchange format. In response, it is noted that col. 2 lines 54-62, reproduced by the Applicant on page 10 of the remarks, states that the generated HTML of Sundaresan includes EBNF productions, and that "these productions define and document a class and sometimes must refer to another class outside of the class in which they reside." (col. 2 lines 56-58) These automatically generated HTML files consist of instructions which define the mapping of classes according to EBNF productions, and as such, according to the

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broadest reasonable interpretation of the claim, define via instructions a mapping between objects, classes, and data items. The rejection of claims 1, 17 and 21-23 is proper and maintained.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-3, 7, 8 and 10-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sundareson (USPN 6,675,370), hereafter "**Sundaresan**", in view of Flanagan (Java In a Nutshell), hereafter "**Flanagan**".

**Per claims 1, 17 and 21-23:**

Sundaresan discloses:

receiving, from a source code file, comment data (col. 1 lines 56-60 "pareses... comments")  
first data indicating a parameter of the data exchange format (col. 3 lines 35-42 "custom Javadoc tag..." "XML structure"),

a source code processor of the source language (col. 1 lines 56-60 "Java compiler");

receiving from the source code file second data indicating a statement that defines a class of data objects in the source language (col. 1 lines 56-58, "pareses... declarations... in Java source files... classes"; col. 4 lines 45-48 "productions in... classes"); and

automatically generating (col. 4 lines 21-25 "automatically generated"), based on the first data

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and the second data (col. 4 lines 15-25 "source code is... processed" - Wherein the 1<sup>st</sup> and 2<sup>nd</sup> data is included.), third data that describes the data exchange format (col. 4 lines 21-25 "HTML documentation for each class"; lines 49-51 "HTML corresponding to a production"; col. 3 lines 35-42 "custom Javadoc tag, @production... class" "XML structure" -Wherein HTML documentation comprises the third data.).

wherein the third data comprises instructions defining a mapping between data objects of the class of data objects and data items having the data exchange format ("These productions define and document a class and sometimes must refer to another class outside of the class in which they reside." in col. 2 lines 56-58. The grammar of the EBNF productions define mappings between classes, objects, and data items.)

substantially as claimed. Sundaresan does not explicitly disclose the comment data includes the first data, the comment data being ignored, nor does Sundaresan explicitly disclose the second data associated with the comment data.

Flanagan teaches an analogous art of utilizing a Javadoc tool with Java source code. Flanagan shows first data, similar to the data of Sundaresan, known to one of ordinary skill in the art at the time of the applicant's invention, to be included in the comment data (pg. 233 under **Java Documentation Comment Syntax** paragraph 2 "doc-comment are embedded within a Java comment"; pg. 254 under **Description** paragraph 5 "A doc comment... include tag values... javadoc"; pg. 233 under **Java Documentation Comment Syntax** paragraph 3 "doc-comment... javadoc tag"). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to insert within comment data, the first data of Sundaresan because the first data is included in the comment data as shown by Flanagan to be parsed by Javadoc separately of the declarations of the source language. The data contained within the comment data is not to be

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interpreted as a part of the source language to be compiled by the Java compiler.

Flanagan teaches it known to one of ordinary skill in the art that comment data is ignored by a source code processor of the source language (pg. 20 under **Comments** "comment out... code"; pg. 233 under **Java Documentation Comment Syntax** paragraph 1 "comments are not treated by compiler") of the source language (pg. 233 "Java language"). It would have been obvious to one of ordinary skill in the art that the comment data is being ignored in the context of Sundaresan's invention because comment data is data, intended for a viewer of the source code file, that describes the classes, methods, etc. of the source language to follow that must be compiled by the source code processor.

Flanagan teaches it known to one of ordinary skill in the art that a second data, as the second data of Sundaresan, to be associated with the comment data (pg. 233 "Doc-comments should immediately precede the declaration of the class... they are associated with."). It would have been obvious to one of ordinary skill in the-art at the time of the applicant's invention that the second data is associated with the comment data because comment data is intended for a viewer of the source code file, that describes the classes, methods, etc. of the source language that follow.

**Per claims 2, 3, 7, 8 and 10-16:**

The rejection of claim 1 is incorporated, and further, note the rejection as outlined in the prior Office action.

**Per claim 18:**

The rejection of claim 17 is incorporated, and further, note the rejection as outlined in the prior Office action.

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**Per claim 19:**

The rejection of claim 18 is incorporated, and further, note the rejection as outlined in the prior Office action.

**Per claim 20:**

The rejection of claim 19 is incorporated, and further, note the rejection as outlined in the prior Office action.

8. Claims 6 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sundareson (USPN 6,675,370), hereafter "**Sundaresan**", in view of Flanagan (Java In a Nutshell), hereafter "**Flanagan**", further in view of "The XML Handbook" by Goldfarb et al., hereafter "**Goldfarb**."

**Per claims 6 and 9:**

The rejection of claim 1 is incorporated, and further, note the rejection as outlined in the prior Office action.

9. Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sundareson (USPN 6,675,370), hereafter "**Sundaresan**", in view of Flanagan (Java In a Nutshell), hereafter "**Flanagan**", further in view of Tuatini (U.S. Patent Application Publication 2001/0054172 A1), hereafter "**Tuatini**."

**Per claims 4 and 5:**

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The rejection of claim 1 is incorporated, and further, note the rejection as outlined in the prior Office action.

***Conclusion***

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trenton J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.




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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trenton J Roche  
Examiner  
Art Unit 2193

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